

REPORT  
OF THE  
DEPARTMENT OF HEALTH  
OF THE  
PANAMA CANAL  
FOR THE  
MONTH OF MARCH, 1915

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CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army  
Chief Health Officer, Balboa Heights, Canal Zone

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*Gift of the Panama Canal Museum*

WASHINGTON

1915



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## LETTER OF TRANSMITTAL.

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THE PANAMA CANAL ZONE,  
DEPARTMENT OF HEALTH,  
*Balboa Heights, April 16, 1915.*

Maj. Gen. GEORGE W. GOETHALS,  
*Governor of the Panama Canal,  
Balboa Heights, Canal Zone.*

SIR: I have the honor to submit the following report of the operations of the department of health for the month of March, 1915.

Very respectfully,

P. M. ASHBURN,  
*Acting Chief Health Officer.*

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### GENERAL REMARKS.

No cases of yellow fever, smallpox, or plague have originated on or were brought to the Isthmus during the month.

### VITAL STATISTICS.

#### EMPLOYEES.

The health of the employees remained good during the month. The number of names on the rolls for the preceding month was 34,218.

The total number of admissions to hospitals and quarters was 892, a rate of 312.82 per thousand, as compared with 294.17 for the preceding month and 522.02 for the corresponding month of last year.

The total number of deaths from all causes was 18. Of these, 14 died from disease, or 4.91 per thousand, as compared with 3.15 for the preceding month, and 6.18 for the corresponding month of last year.

The constantly noneffective rate was 10.26, compared with 10.46 for the preceding month, and 14.81 for the corresponding month of last year.

The total admission rate for malaria, hospital and quarters, was 46.99, compared with 47.98 for last month, and the total noneffective rate 1.11, compared with 1.17 for last month; each of these rates

being lower than for the same month last year. The diseases next to malaria causing the highest admission rates, in the order of their numerical importance, were: Diseases of the digestive system, venereal diseases, diseases of the nervous and respiratory systems. These five classes of diseases caused 50 per cent of all admissions to hospitals.

There were no admissions for typhoid fever during the month among Panama Canal employees. There were no admissions during the months of February and January.

#### EFFECTS OF RACE.

The admission rate to hospitals and the death rate for disease for black employees were 69.22 and 5.70 per thousand, as compared with 411.96 and none for white employees. The noneffective rate for disease and injuries for black employees per thousand was 8.72, as compared with 19.84 for white employees.

The admission rate to hospitals and quarters for malaria was 32.98 per thousand for blacks, as compared with 133.05 for whites.

The total death rate for Americans was 2.75, while among the Europeans there were no deaths. The admission rate to hospitals for disease for the latter was 1,463.28, compared with 327.72 for Americans. The admission rate for malaria to hospitals and quarters was 474.58 for Europeans, as compared with 106.44 for Americans.

#### DEPORTATIONS.

There were 10 deportations accomplished during the month—7 employees and 3 nonemployees; for disease 9, and for injury 1.

#### CANAL ZONE.

The population of the Canal Zone is 33,519, among whom there were a total of 25 deaths; of these, 23 deaths were from disease, giving a rate of 8.23 per thousand, as compared with 5.63 for the preceding month and 15.01 for the corresponding month last year. Of the total deaths from disease the percentage under 5 years of age was 52, compared with 44 last month.

There were 64 births reported, giving a rate of 6.23 per thousand. Of these births 23 were of white and 41 of colored children. There were 1 death of white and 4 deaths of colored children under 1 year of age, giving an infant mortality of 43 for white and 98 for colored children, with a general average of 78. The percentage of stillbirths to total births was 11.

#### PANAMA CITY.

The population of the city is 60,373, among whom there were a total of 175 deaths; of these, 168 deaths were from disease, giving a rate of 33.39 per thousand, as compared with 25.24 for the preceding



month and 34.09 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 53, compared with 60 last month. The principal causes of death showing an increase as compared with February were: Malaria, 6, as compared with 1 last month; tuberculosis of the lungs, 31, as compared with 10 for the preceding month; and Bright's disease, 8, as against 2 for the month of February.

There were 278 births reported, giving a rate of 51.94 per thousand. The infant mortality was 233 per thousand. The percentage of stillbirths to total births was 4.5.

#### COLON.

The population of the city is 29,331, among whom there were 47 deaths; of these 44 deaths were from disease, giving a rate of 18 per thousand, as compared with 17.59 for the preceding month, and 28.47 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years was 32, compared with 51 last month.

The principal cause of death showing an increase as compared with February was: Tuberculosis of the lungs, 10, compared with 6 last month.

There were 46 births reported, giving a rate of 18.82 per thousand. The infant mortality was 152 per thousand. The percentage of stillbirths to total births was 11.5.

#### HOSPITAL DIVISION.

##### ANCON HOSPITAL.

During the month the average number of patients constantly in hospital was 472.03. The per capita cost of patients in hospital, proper, was \$1.894 gross and \$0.873 net. The per capita cost of patients in the insane asylum was \$0.527.

##### FARM FOR DISABLED.

The net per capita cost was \$0.561, as compared with \$0.423 for last month.

During the month the pasture and grounds for the asylum were cleaned, and the vegetable garden and nursery were cultivated.

##### INSANE DEPARTMENT.

Eleven patients, two of whom had been in the institution previously, were admitted during the month. Six patients were discharged as having fully recovered mentally, and five deportations to the United States and Barbados were accomplished.

On March 14 the entire male section, with its staff of nurses, attendants, etc., under the direction of an assistant physician, was removed to the new hospital for the insane at Corozal, while the

females were left at Ancon, there not being a sufficient number of buildings completed at Corozal at the present time to accommodate them. In all probability the transfer of the entire institution to Corozal will be effected before April 15.

A large number of the more tractable male inmates are being employed in removing the débris about the new wards which they now occupy and grading the grounds, which will be sodded and planted with trees and shrubbery.

The general health of the insane population has been excellent, there being but few physical illnesses among the inmates of both sexes, and only one death occurred during the month.

#### CHRONIC WARD.

There were 29.74 chronic and incurable patients constantly cared for during the month. The cost per patient per day was \$0.251.

Detailed statistics are shown in Table XIII.

#### COLON HOSPITAL.

The average number of employees constantly sick was 26.13. The average number of days' treatment per employee was 7.93. The per capita cost of patients was \$2.69 gross and \$1.93 net.

Detailed statistics are shown in Table XIV.

#### PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 50, as against 50 for the preceding month. The per capita cost per patient was \$0.82.

Detailed statistics are shown in Table XV.

#### SANTO TOMAS HOSPITAL.

During the month a total of 1,463 patients were treated, 110 more than for the preceding month. The daily average of patients in hospital was 468, as compared with 444 for February, and the total number of hospital days was 14,537, as compared with 12,449 for the preceding month. 82 deaths have occurred, with tuberculosis, pneumonia, and malaria the chief causes, in the order named.

Detailed statistics are shown in Table XVI.

#### DISTRICT DISPENSARIES.

The dispensary having the highest admission rate for malaria was Corozal, with an average weekly percentage of 0.32; that having the lowest was Tero Point, with a percentage of 0.00.

Detailed statistics are shown in Table IX.

## SANITATION—CANAL ZONE.

The general sanitary conditions have been good. The malaria rate for employees has been lower than for any previous March, the weekly rate averaging 0.01375, as compared with 0.01775 last year, the lowest rate for March in any other year.

The hydraulic filling near Corozal, Ancon, and Balboa is still progressing, but mosquito breeding has been well controlled.

The only sanitary work done by the Panama Canal on the west side during the month has been done by one gang and foreman in negro villages not subject to military control.

The following communicable diseases were reported during the month:

Measles.....	14
Typhoid fever.....	1
Mumps.....	33
Chickenpox.....	3
Diphtheria.....	2
Malarial fever.....	253
Tuberculosis.....	2
Erysipelas.....	1
Whooping cough.....	14
Dysentery.....	3
Trachoma.....	1

Detailed statistics are shown in Table XVII.

## SANITATION—PANAMA.

## COMMUNICABLE DISEASES.

The prevalence of measles and mumps continues, scattered over the entire city. Many cases were isolated at Santo Tomas Hospital.

## MOSQUITO, RAT, AND FLY WORK.

*Mosquitoes.*—In anticipation of the wet season work was undertaken to place in excellent condition all of the present earth drains. A concrete ditch was established at the expense of the lot owners in the San Miguel district, which will eliminate the maintenance of several hundred feet of ordinary earth ditches.

Work was begun by the Bella Vista Co. toward establishing a culvert for discharging a large body of collected storm water now standing near their bathing pavilion. This will relieve a large anopheles breeding area, and marks the boundary limit of antimalarial work supervised by this office.

*Rats.*—Nine hundred and fifty-one rats were caught and submitted for plague examination, all negative. At an old stable, Central Avenue and J Street, demolished by the owner, our men removed a small concrete platform which constituted the floor of the feed room, and under this floor were discovered 98 rats, which were killed. This concrete floor did not extend into the earth, and

the rats had no difficulty in burrowing underneath it. The new regulations requiring a wall to extend 2 feet below the earth's surface will eliminate such rat harboring under feed rooms.

*Flies.*—The large flytraps which we have made use of at the public dump were put into service again, giving us a catch of only 19 quarts. Although there was but little breeding at the public dump, the prevalence of flies in the city was rather well marked. The Chinese gardens contributed a large per cent of the prevalence of these insects.

#### STABLES.

A census was taken to determine the number of stables and stalls existing in the city, and we found there were 54 stables with a total of 1,272 stalls, 800 of these stalls are situated near the heart of the city, and small private stables were found in various parts of the city.

Detailed statistics are shown in Table XVII.

#### SANITATION—COLON.

The work of oiling the street along the beach and in front of Colon Hospital has been completed.

Condemned houses located on the back part of Manzanillo Island, previously occupied by squatters, were burned on March 26.

There were 3,723 persons examined, of whom 15 received vaccination.

The following communicable diseases were reported during the month:

Measles.....	6
Mumps.....	21
Chickenpox.....	1
Infantile paralysis.....	1
Malarial fever.....	1
Tuberculosis.....	3
Whooping cough.....	8
Trachoma.....	2

Detailed statistics are shown in Table XVII.

#### QUARANTINE SERVICE.

There were 654 more arrivals than departures from foreign ports. The immigration from coast towns shows a decrease of 610 for the month. During the month 1,471 United States troops arrived for Canal Zone garrisons.

Detailed statistics are shown in Table XVIII.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES; DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

Color.	Number of employees.	Admissions to hospitals.			Deaths.			Noneffective from sickness.	
		Total.	Disease.	External causes.	Total.	Disease.	External causes.	Days treated.	Constantly noneffective.
<i>Mar., 1915.</i>									
White.....	4,748	189	163	26	1	.....	1	2,919	94.17
Colored.....	29,470	274	170	104	17	14	3	7,960	256.78
Total...	34,218	463	333	130	18	14	4	10,879	350.79
<i>Feb., 1915.</i>									
White.....	4,629	162	127	35	3	1	2	2,923	104.38
Colored.....	29,637	361	271	90	16	8	8	7,114	254.07
Total...	34,266	523	398	125	19	9	10	10,037	358.45
<i>Mar., 1914.</i>									
White.....	7,586	541	445	96	7	3	4	7,959	256.75
Colored.....	39,025	626	391	235	27	21	6	13,453	433.98
Total...	46,611	1,167	836	331	34	24	10	21,412	690.73

PROPORTIONATE NUMBERS.<sup>1</sup>

<i>Mar., 1915.</i>									
White.....	4,748	477.67	411.96	65.71	2.53	.....	2.53	.....	19.84
Colored.....	29,470	111.57	69.22	42.35	6.92	5.70	1.22	.....	8.72
Total...	34,218	162.37	116.78	45.59	6.31	4.91	1.40	.....	10.26
<i>Feb., 1915.</i>									
White.....	4,629	419.95	329.22	90.73	7.78	2.59	5.19	.....	22.55
Colored.....	29,637	146.17	109.73	36.44	6.48	3.24	3.24	.....	8.58
Total...	34,266	183.15	139.38	43.77	6.65	3.15	3.50	.....	10.46
<i>Mar., 1914.</i>									
White.....	7,586	842.60	703.93	151.86	11.07	4.74	6.33	.....	33.85
Colored.....	39,025	130.99	122.36	72.26	8.30	6.46	1.84	.....	11.12
Total...	46,611	300.44	215.23	85.22	8.75	6.18	2.57	.....	14.81

<sup>1</sup> Annual average per 1,000.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE—Continued.

## DEATHS OF RESIDENTS OF THE CITIES OF PANAMA, COLON, AND THE CANAL ZONE.

Place.	Popula- tion.	Deaths.			Annual average per 1,000.		
		Total.	Dis- ease.	Exter- nal causes.	Total.	Dis- ease.	Exter- nal causes.
<i>March, 1915.</i>							
Panama.....	60,373	175	168	7	34.78	33.39	1.39
Colon.....	29,331	47	44	3	19.23	18.00	1.23
Canal Zone.....	33,519	25	23	2	8.95	8.23	.72
Total.....	123,223	247	235	12	24.05	22.88	1.17
<i>February, 1915.</i>							
Panama.....	60,373	130	127	3	25.83	25.24	.59
Colon.....	29,331	48	43	5	19.64	17.59	2.05
Canal Zone.....	31,948	20	15	5	7.51	5.63	1.88
Total.....	121,652	198	185	13	19.53	18.25	1.28
<i>March, 1914.</i>							
Panama.....	47,172	140	134	6	35.61	34.09	1.52
Colon.....	20,232	52	48	4	30.84	28.47	2.37
Canal Zone.....	55,976	70	59	11	15.01	12.65	2.36
Total.....	123,380	262	241	21	25.48	23.44	2.04

TABLE II.—DEATHS BY AGE, COLOR, AND SEX.

Age.	White.			Colored.			Yellow.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year.....	4	6	10	31	35	66	....	1	1	35	42	77
1 to 4 years.....	1	1	2	21	15	36	....	....	....	22	16	38
5 to 10 years.....	....	1	1	3	3	6	....	....	....	3	4	7
11 to 20 years.....	....	1	1	3	5	8	....	....	....	3	6	9
21 to 30 years.....	4	2	6	24	10	34	2	....	2	30	12	42
31 to 40 years.....	3	3	6	17	11	28	1	....	1	21	14	35
41 to 50 years.....	3	....	3	6	5	11	1	....	1	10	5	15
51 to 60 years.....	2	1	3	10	1	11	1	....	1	13	2	15
61 to 70 years.....	....	....	....	1	2	3	....	....	....	1	2	3
81 to 90 years.....	....	1	1	1	1	2	....	....	....	1	2	3
Not stated.....	....	....	....	3	....	3	....	....	....	3	....	3
Total.....	17	16	33	120	88	208	5	1	6	142	105	247

TABLE III.—DEATHS BY NATIONALITY.

Nations.	Employees.	Nonem- ployees.	Total.
Antigua.....	1	1	2
Australia.....		1	1
Barbados.....	4	13	17
China.....		4	4
Colombia.....		4	4
Costa Rica.....		2	2
Cuba.....		1	1
Demerara.....		1	1
East Indies.....		1	1
England.....		1	1
Fortune Island.....	2		2
Grenada.....	1	3	4
Guadeloupe.....		1	1
Italy.....		2	2
Jamaica.....	8	46	54
Japan.....		2	2
Martinique.....	1	1	2
Panama.....		126	126
Russia.....		1	1
Spain.....		2	2
St. Lucia.....		2	2
St. Vincent.....		1	1
Trinidad.....		1	1
United States.....	1	10	11
Unknown.....		2	2
Total.....	18	229	247

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS  
CONNECTED WITH THE PANAMA CANAL.

	Number of deaths.	Annual average per 1,000.
White employees from the United States (4362):		
Disease.....		
External causes.....	1	2.75
All causes.....	1	2.75
White women and children from the United States (3777):		
Disease.....	4	12.71
External causes.....		
All causes.....	4	12.71
White employees and their families from the United States (8139):		
Disease.....	4	5.89
External causes.....	1	1.48
All causes.....	5	7.37
Total number of Americans on the Canal Zone (12929):		
Disease.....	4	3.71
External causes.....	1	.93
All causes.....	5	4.64

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD.

Causes of death.	White.	Colored.	Total.
<b>Disease:</b>			
Abscess of the liver.....		1	1
Acute gastritis.....		1	1
Chronic nephritis.....		2	2
Gangrene of lungs.....		1	1
Malarial fever, estivoautumnal.....		1	1
Organic disease of heart.....		1	1
Tetanus.....		1	1
Tuberculosis, abdominal.....		1	1
Tuberculosis, disseminated.....		1	1
Tuberculosis of the lungs.....		4	4
<b>External causes:</b>			
Accidental drowning.....	1	1	2
Traumatism by machines.....		2	2
<b>Total.....</b>	<b>1</b>	<b>17</b>	<b>18</b>

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE.

Disease.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>General diseases.</i>				
Typhoid fever.....	1			1
Malaria-fever, estivoautumnal.....	6		4	10
Hemoglobinuric fever, malarial.....	1	1		2
Whooping-cough.....	1		2	3
Influenza.....	1			1
Dysentery, unclassified.....	2		1	3
Purulent infection and septicemia.....		1		1
Septicemia.....	2			2
Tetanus.....	1	1		2
Pellagra.....	5			5
Tuberculosis of the lungs.....	21	10	1	32
Tuberculous meningitis.....	1			1
Abdominal tuberculosis.....			1	1
Disseminated tuberculosis.....	1			1
Rickets.....		1		1
Syphilis, hereditary.....	1			1
Gonorrhea.....		1		1
Cancer and other malignant tumors:				
Of the peritoneum, intestines, rectum.....	1			1
Of other organs and of organs not specified.....	1			1
Other tumors (tumors of the female genital organs excepted).....		1		1
Hodgkin's disease.....	1			1
Alcoholism:				
Acute.....		1		1
Chronic.....	1			1
<i>Diseases of the nervous system and of the organs     of special sense.</i>				
Simple meningitis.....	1			1
Cerebro-spinal fever.....	2			2
Cerebral hemorrhage, apoplexy.....	1	1		2
Convulsions of infants (under 5 years of age).....	1	1		2



TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>Diseases of the circulatory system.</i>				
Acute endocarditis.....	3	1	.....	4
Malignant endocarditis.....	1	.....	.....	1
Organic diseases of the heart.....	4	3	1	8
Arterio-sclerosis.....	4	.....	.....	4
<i>Diseases of the respiratory system.</i>				
Acute bronchitis.....	8	6	.....	14
Broncho-pneumonia.....	13	2	1	16
Pneumonia (unqualified).....	6	.....	.....	6
Lobar pneumonia.....	2	.....	1	3
Gangrene of the lungs.....	.....	.....	1	1
<i>Diseases of the digestive system.</i>				
Acute gastritis.....	3	1	.....	4
Chronic gastritis.....	.....	2	.....	2
Diarrhea and enteritis (under 2 years).....	31	1	3	35
Colitis.....	1	.....	.....	1
Diarrhea and enteritis (2 years and over).....	2	1	.....	3
Ankylostomiasis.....	1	.....	.....	1
Intestinal obstruction.....	1	1	.....	2
Constipation.....	.....	.....	1	1
Cirrhosis of the liver.....	1	.....	.....	1
Abscess of the liver, entamebic.....	.....	.....	1	1
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>				
Acute nephritis.....	3	.....	.....	3
Bright's disease (chronic nephritis).....	8	5	.....	13
Pyelo-nephrosis.....	1	.....	1	2
Other diseases of the uterus.....	1	.....	.....	1
<i>The puerperal state.</i>				
Eclampsia.....	.....	1	.....	1
<i>Malformations.</i>				
Congenital malformations (stillbirth not in- cluded).....	2	.....	.....	2
<i>Diseases of early infancy.</i>				
Congenital debility, icterus, and sclerema.....	1	.....	.....	1
Premature birth.....	3	.....	.....	3
Congenital debility.....	2	.....	.....	2
Malnutrition.....	6	.....	4	10
<i>Affections produced by external causes.</i>				
Suicide by poisoning.....	1	.....	.....	1
Suicide by firearms.....	1	1	.....	2
Accidental drowning.....	1	2	2	5
Traumatism by machines.....	2	.....	.....	2
Other external violence.....	2	.....	.....	2
<i>Ill-defined diseases.</i>				
Cause of death not specified or ill defined.....	7	1	.....	8
Total.....	175	47	25	247
Stillbirths.....	13	8	6	27
Grand total.....	188	55	31	274

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN MARCH,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>General diseases.</i>												
Typhoid fever.....												1
Malaria.....												
Malarial fever:												
Estivoautumnal.....	14	4	35			1	8	7	9		1	1
Tertian.....		2	9				2	1	1			
Clinical.....	5	6	34				10	2	5			
Hemoglobinuric fever, malarial.....		1										
Measles.....			6					7	9			
Scarlet fever.....												
Whooping cough.....								4			1	
Diphtheria and croup.....								1	1			
Croup.....								1				
Influenza.....	2		7					2	1			
Dysentery:												
Entamebic.....								2				
Unclassified.....								1				1
Leprosy.....			1						1			
Erysipelas.....								2				
Chicken pox.....									1			
Mumps.....	1	1	28				11		6			
Hemoglobinuric fever, unqualified.....												
Yaws.....		1										
Filariasis.....			1									
Purulent infection and septicemia.....												1
Tetanus.....												
Pellagra.....									1			1
Tuberculosis of the lungs.....	1		3			4		3	2	2		
Abdominal tuberculosis.....						1			2			
Tuberculosis:												
Bones and joints.....								1	1			
Lymph glands.....									1			
Disseminated tuberculosis.....						1						
Syphilis:												
Primary.....	1		1									
Secondary.....			6						1			
Tertiary.....	1		5						1			
Period not stated.....			2						2			
Gonorrhea.....	2	5	8				18	2				
Gonorrheal arthritis.....							1	2	1			

THE HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF  
1915—Continued.

[illegible]

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN MARCH,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.		Black.	Americans.		Black.	Soldiers.		Black.	Soldiers.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>General diseases—Contd.</i>												
Gonorrheal orchitis and epididymitis.....		2	1				5	1				
Gonorrheal ophthalmia.....								1				
Soft chancre.....			1				5	1	2			
Adenitis chancroidal.....		1	5				4	1				
Cancer and other malignant tumors of the female genital organs.....												
Cancer and other malignant tumors of other organs and of organs not specified.....								1				
Other tumors (tumors of the female genital organs excepted).....							1	1				
Acute articular rheumatism.....							2					
Chronic rheumatism and gout.....			1				1					
Anemia, secondary, cause not determined.....			1						1			
Other general diseases.....							1					
Purpura hemorrhagica.....			1									
Alcoholism:												
Acute.....		1					1	1				
Chronic.....								1				
<i>Diseases of the nervous system and of the organs of special sense.</i>												
Acute anterior poliomyelitis.....												
Paralysis without specified cause.....		1										
Other forms of mental alienation.....		1	1						9			
Dementia precox.....							2		1			
Epilepsy.....									1			
Hysteria.....								2				
Neuralgia.....		1	1						1			
Neuritis.....		1	1					2	1			



TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN MARCH,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the nervous system and of the organs of special sense—Continued.</i>												
Other diseases of the nervous system.....			1									
Neurasthenia.....	2	1					1	1	2			
Diseases of the eyes and their annexa.....	3	1	13				3	4	6			
Follicular conjunctivitis.....												
Trachoma.....									1			
Diseases of the ears.....	4		2				6	4	1			
<i>Diseases of the circulatory system.</i>												
Organic diseases of the heart.....		1	1						1			1
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	1		1				1					
Hemorrhoids.....	1	1					1					
Varicocele.....	2											
Phlebitis.....												
Diseases of the lymphatic system (lymphangitis, etc.).....	1											
Lymphadenitis (nonvenereal).....			6				1	1	1			
Hemorrhage; other diseases of the circulatory system.....												
<i>Diseases of the respiratory system.</i>												
Diseases of the nasal fossa....	9	1					2	5				
Laryngitis.....							1					
Acute bronchitis.....	3		4				3	1	3			
Broncho-pneumonia.....			2									
Lobar pneumonia.....									2			1
Pleurisy.....	2	1	3				2	1	1			
Empyema.....								1				

THE HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF  
1915—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
						3						2	1	1				4	1	2			
		1										3	1	14				3	4	6			
		1												1						1			
												4		2				6	4	1			
1												1	1	1						1			1
												1		1				1		2			
		1						2				1	1	1				1					
							1					2							1				
						1						1						1					
														6				1	1	1			
							1													1			
												9	1					2	5				
																		1					
	1	3					1					3	1	7				3	1	4			
														2									
	1						1					2	2	3				2	1	2			1
																		1	1				
																		1					

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN MARCH,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.		Black.	Americans.		Black.	Soldiers.		Black.	Soldiers.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>Diseases of the respiratory system—Continued.</i>												
Pulmonary congestion, pulmonary apoplexy .....												
Gangrene of the lungs .....						1						
Asthma .....			1									
Pulmonary emphysema .....		1										
Other diseases of the respiratory system (tuberculosis excepted) .....												
<i>Diseases of the digestive system.</i>												
Diseases of the teeth and gums .....												
Diseases of the pharynx .....	1						1	1				
Follicular tonsillitis .....	6		1				6	10	3			
Foreign body in the esophagus .....	1											
Acute gastritis .....			1						1			
Chronic gastritis .....			1						1			
Acute indigestion .....	1							1				
Diarrhea and enteritis (under 2 years) .....								5				
Colitis .....							1					
Diarrhea and enteritis (2 years and over) .....			1					1				
Ankylostomiasis .....			2					1	1			
Intestinal parasites .....								1				
Acute appendicitis .....	4						5	1				
Chronic appendicitis .....	2						2	6				
Inguinal hernia .....	3	1	4					5	1			
Other hernias .....							2	2	2			
Intestinal obstruction .....												
Other diseases of the intestines .....	6		2				1	3	2			
Constipation .....	2		2					2	1			
Cirrhosis of the liver .....	1											
Other diseases of the liver .....								1				
Abscess of the liver (entamoebic) .....			1			1						





TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN  
MARCH,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the digestive system—Continued.</i>												
Cholecystitis.....												
Simple peritonitis (non-puerperal).....									1			
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>												
Acute nephritis.....												
Bright's disease (chronic nephritis).....			1						2			
Other diseases of the kidney and annexa.....								2	1			
Pyelo-nephrosis.....			1						1			
Calculi of the urinary passages.....								3	1			
Cystitis.....	1							1	1			
Diseases of the urethra, urinary abscess, etc.....			2									
Stricture of the urethra, nonvenereal.....							1	2				
Chronic prostatitis.....								1				
Nonvenereal diseases of the male genital organs.....	1		7					1				
Hydrocele.....	1		3									
Uterine tumor (noncancerous).....								1	1			
Other diseases of the uterus.....								2	4		1	
Metritis.....									1			
Cysts and other tumors of the ovary.....								5	1			
Salpingitis and other diseases of the female genital organs.....								1	3			
Nonpuerperal diseases of the breast (cancer excepted).....								1	1			
Benign tumor of breast.....									1			

THE HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF  
1915—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
1												1											
1												1						1					
		1											1										
									3		1		1					5				1	
													1					2	1				
																		1	1				2
2												3						3	1				
														2				1					
						1												3	1				
1		2										2	9					1					
												1	3										
						1												1	1				
																		3	4		1		
																		1					
																		5	1				
								2										1	5				
																		1	1				
																		1					

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN MARCH.

[illegible]



TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN MARCH,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of early infancy.</i>												
Newborn child.....								16				
Congenital debility, icterus, and sclerema.....									1			
Premature birth.....								2			1	
Malnutrition.....									1			
<i>Affectations produced by external causes.</i>												
Poisoning by food.....	1		2					1				
Other acute poisonings.....							1	1				
Burns (conflagration ex- cepted).....			1									
Traumatism by firearms.....	1											
Traumatism by cutting or piercing instruments.....	1		10						1			
Traumatism by fall.....			12					1	5			
Traumatism by machines.....			5			1						
Traumatism by other crushings (vehicles rail- roads, landslides, etc.).....	1		4									
Railroad traumatism.....			8									
Traumatism by landslides.....			1									
Injuries by animals.....			1									
Lightning.....			1									
Fractures (cause not spec- ified).....	2		4				1	1				
Dislocations.....	1											
Sprains.....	1		1				2					
Other external violence.....	10	4	34				4		2			
<i>Ill-defined diseases.</i>												
Ill-defined organic disease.....									1			
Inc. Infections of undeter- mined origin.....									1			
No disease.....	1		1					9	4			
Grand total.....	122	41	321			10	131	204	134		6	9



TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

[A.=American; F.=foreign; B.=black.]

Hospitals.	Remaining Mar. 1.			Admitted.			Died.		
	A.	F.	B.	A.	F.	B.	A.	F.	B.
<b>ANCON HOSPITAL.</b>									
Panama Canal employees....	36	10	171	115	37	291	.....	.....	5
Panama Railroad employees....	4	6	38	7	4	30	.....	.....	4
Panama pay patients.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other pay patients.....	81	22	35	240	65	94	2	2	6
Charity patients.....	11	2	41	23	5	33	2	.....	3
Total.....	132	40	285	385	111	448	4	2	18
<i>Insane department.</i>									
Panama Canal employees....	.....	5	12	.....	.....	.....	.....	.....	.....
Panama Railroad employees....	.....	.....	3	.....	.....	.....	.....	.....	.....
Panama pay patients.....	.....	15	159	.....	.....	7	.....	.....	.....
Other pay patients.....	4	.....	2	2	.....	.....	.....	.....	.....
Charity patients.....	5	3	52	.....	.....	2	.....	.....	1
Total.....	9	23	228	2	.....	9	.....	.....	1
Grand total.....	141	63	513	387	111	457	4	2	19
<i>Corozal farm.</i>									
Panama Canal employees....	.....	8	37	.....	1	4	.....	.....	.....
<i>Chronic ward.</i>									
Charity patients.....	.....	.....	30	.....	.....	2	.....	.....	.....
<b>COLON HOSPITAL.</b>									
Panama Canal employees....	1	4	8	16	5	26	.....	.....	.....
Panama Railroad employees....	.....	.....	7	2	3	27	.....	.....	1
Panama pay patients.....	.....	1	.....	.....	.....	12	.....	.....	2
Other pay patients.....	6	.....	2	10	17	11	3	.....	1
Charity patients.....	2	.....	1	1	.....	6	.....	.....	.....
Total.....	9	5	18	29	25	82	3	.....	4
<b>PALO SECO LEPER ASYLUM.</b>									
Panama pay patients.....	.....	2	30	.....	1	.....	.....	.....	.....
Charity patients.....	.....	2	16	.....	.....	.....	.....	.....	.....
Total.....	.....	4	46	.....	1	.....	.....	.....	.....
<b>GRAND TOTALS.</b>									
Panama Canal employees....	37	27	228	131	43	321	1	1	5
Panama Railroad employees....	4	6	48	9	7	57	.....	.....	5
Panama pay patients.....	.....	18	189	.....	1	19	.....	.....	2
Other pay patients.....	91	22	39	252	82	105	5	2	7
Charity patients.....	18	7	140	24	5	43	2	.....	4
Total.....	150	80	644	416	138	545	7	2	23



TABLE VIII.—CONSOLIDATED HOSPITAL REPORT—Continued.

Hospitals.	Discharged.			Transferred.			Remain- ing Mar. 31.			Average number con- stantly sick.				Total.
										White.				
	A.	F.	B.	A.	F.	B.	A.	F.	B.	A.	F.	B.		
ANCON HOSPITAL.														
Panama Canal employ- ees.....	114	30	272	1	...	3	36	17	182	38.13	12.97	183.09	234.19	
Panama Railroad em- ployees.....	8	3	43	...	...	...	3	7	21	2.64	5.84	26.90	25.39	
Panama pay patients.....	228	40	73	2	...	...	89	45	50	78.13	30.19	40.36	148.68	
Other pay patients.....	17	6	34	...	...	...	2	15	1	35	14.58	1.64	37.55	
Charity patients.....	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total.....	367	79	422	3	...	5	143	70	288	133.48	50.64	287.90	472.03	
Insane department.														
Panama Canal employ- ees.....	...	...	...	...	...	2	...	5	10	...	5.00	10.19	15.19	
Panama Railroad em- ployees.....	...	...	...	...	...	1	...	...	2	...	...	2.10	2.10	
Panama pay patients.....	...	1	1	...	...	1	...	14	164	...	14.77	161.90	176.67	
Other pay patients.....	3	...	...	...	...	...	3	...	2	...	3.58	2.00	5.58	
Charity patients.....	1	...	...	...	...	...	4	3	53	4.52	3.00	53.25	60.77	
Total.....	4	1	1	...	...	4	7	22	231	8.10	22.77	229.44	260.31	
Grand total.....	371	80	423	3	...	9	150	92	519	141.58	73.41	517.34	732.34	
Corozal farm.														
Panama Canal employ- ees.....	...	...	2	...	...	...	9	39	...	...	8.29	37.64	45.83	
Chronic ward.														
Charity patients.....	...	...	3	...	...	1	...	...	28	...	...	29.74	29.74	
COLON HOSPITAL.														
Panama Canal employ- ees.....	11	4	18	2	2	3	4	3	13	3.64	3.48	10.00	17.12	
Panama Railroad em- ployees.....	1	1	26	...	1	3	1	1	4	.67	.64	7.70	9.03	
Panama pay patients.....	...	...	2	...	...	8	...	1	...	...	1.00	.45	1.45	
Other pay patients.....	11	8	7	...	2	...	2	7	5	2.19	3.41	3.48	9.09	
Charity patients.....	3	...	4	...	...	3	...	...	...	.67	...	.41	1.09	
Total.....	26	13	57	2	5	17	7	12	22	7.17	8.53	22.04	37.78	
PALO SECO LEPER ASYLUM.														
Panama pay patients...	...	...	1	...	...	...	3	29	...	3.00	26.92	29.22	...	
Charity patients.....	...	...	...	...	...	...	2	16	...	2.00	16.00	18.00	...	
Total.....	...	...	1	...	...	...	5	45	...	5.00	42.92	47.22	...	

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT—Continued.

Hospitals.	Dis- charged.			Trans- ferred.			Remain- ing Mar. 31.			Average number con- stantly sick.					
										White.			Total.		
	A.	F.	B.	A.	F.	B.	A.	F.	B.	A.	F.	B.			
GRAND TOTALS.															
Panama Canal employ- ees.....	125	34	292	3	2	8	40	34	244	41.77	29.74	240.92	312.33		
Panama Railroad em- ployees.....	9	4	69	...	1	4	4	8	27	3.31	6.48	36.70	46.52		
Panama pay patients.....	...	1	4	...	...	9	...	18	193	...	18.77	189.27	207.34		
Other pay patients.....	242	48	80	2	2	...	94	52	57	83.90	33.60	45.84	163.35		
Charity patients.....	21	6	41	...	...	6	19	6	132	19.77	6.64	136.95	163.37		
Total.....	397	93	486	5	5	27	157	118	653	148.75	95.23	649.68	892.91		

Number of employees remaining in hospitals:

White.....	86
Colored.....	271
Total.....	357

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.

EMPLOYEES TREATED IN QUARTERS, AND ALL CASES TREATED BUT NOT EXCUSED.

	Employees treated in quarters.														
	Re-main-ing Mar. 1.		Ad-mitted.		Died.		Dis-charged.		Trans-ferred.		Re-main-ing Mar. 31.		Days lost.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	Total.
Ancon.....	5		98				97				6		190		190
Balboa.....	3		60	20			55	7	5	12	3	1	168	27	195
Corozal.....	1		34	5			32	5	2		1		84	5	89
Pedro Miguel.....	3		9	2			7	2	4		1		98	7	105
Paraiso.....			18				16		2				31		31
Gamboa.....				3				2		1				13	13
Gatun.....			13	6			12	4	1	2			24	31	55
Colon.....	3	3	48	53			46	41	1	3	4	12	163	438	601
Total....	15	3	280	89			265	61	15	18	15	13	758	521	1,279

TABLE IX.—CONSOLIDATED DISPENSARY REPORT—Continued.

EMPLOYEES TREATED IN QUARTERS, AND ALL CASES TREATED BUT NOT EXCUSED—Continued.

	All cases treated, but not excused.								
	Employees.			Nonemployees.			Total.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
Naos Island....	89	1,406	1,495	.....	.....	.....	89	1,406	1,495
Ancon.....	2,573	3,373	5,946	1,860	1,930	3,790	4,433	5,303	9,736
Balboa.....	3,636	3,911	7,547	507	319	826	4,143	4,230	8,373
Corozal.....	1,103	1,792	2,895	1,206	148	1,354	2,309	1,940	4,249
Pedro Miguel	662	1,101	1,763	776	162	938	1,438	1,263	2,701
Paraiso.....	1,477	2,670	4,147	715	738	1,453	2,192	3,408	5,600
Gamboa.....	59	148	207	2	421	423	61	569	630
Gatun.....	867	1,520	2,387	854	656	1,510	1,721	2,176	3,897
Colon.....	654	1,650	2,304	610	809	1,419	1,264	2,459	3,723
Total....	11,120	17,571	28,691	6,530	5,183	11,713	17,650	22,754	40,404

## CONSOLIDATED ADMISSION REPORT.

	White.	Colored.	Total.
Total admissions to hospitals, excluding Corozal farm and chronic ward.....	553	539	1,092
Total admissions of employees to quarters.....	280	89	369
Total.....	833	628	1,461
Less number of patients transferred between hospitals, and from quarters to hospitals, whose admissions are duplicated in above figures.....	25	45	70
Net admissions to hospitals and quarters.....	808	583	1,391
Net admissions of employees to hospitals and quarters.....	448	444	892
Annual average per thousand of admissions of employees to hospitals and quarters.....	1,130.16	177.40	309.89

## CONTAGIOUS AND INFECTIOUS DISEASES REPORTED.

Diseases.	Panama.	Colon.	Canal Zone.	Total.
Measles.....	54	6	14	74
Typhoid fever.....	1	.....	1	2
Annual average per 1,000.....	0.20	.....	0.41	.....
Mumps.....	3	21	33	57
Cerebro-spinal fever.....	1	.....	.....	1
Chicken pox (varicela).....	2	1	3	6
Diphtheria (croup).....	.....	.....	2	2
Infantile paralysis.....	.....	1	.....	1
Malarial fever.....	.....	1	253	254
Tuberculosis (of any organ).....	9	3	2	14
Erysipelas.....	.....	.....	1	1
Whooping cough.....	.....	8	14	22
Dysentery.....	.....	.....	3	3
Trachoma.....	1	2	1	4

TABLE X.—AVERAGE NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
<b>Hospitals:</b>			
Ancon Hospital.....	64.58	222.28	286.87
Colon Hospital.....	8.43	17.70	26.13
Total.....	73.01	239.98	313.00
<b>Quarters:</b>			
Ancon.....	6.12	.....	6.12
Balboa.....	5.42	.87	6.29
Corozal.....	2.70	.16	2.90
Pedro Miguel.....	.32	.23	.34
Paraiso.....	.58	.....	.58
Gamboa.....	.....	.42	.42
Gatun.....	.77	1.00	1.77
Colon.....	5.25	14.12	19.37
Total.....	21.16	16.80	37.79

	Hospitals.	Quarters.	Total.
<b>Average number of employees constantly sick:</b>			
White.....	73.01	21.16	94.17
Colored.....	239.98	16.80	256.78
Total.....	312.99	37.96	350.95
<b>Average number of employees constantly sick per 1,000:</b>			
White.....	15.38	4.46	19.84
Colored.....	8.14	.57	8.72
Total.....	9.15	1.10	10.26

TABLE XI.—AVERAGE LENGTH OF STAY IN HOSPITALS OR QUARTERS FOR EACH ADMISSION OF SICK EMPLOYEES.

	White.	Colored.	Total.
<b>Hospitals:</b>			
Ancon Hospital.....	12.20	20.79	18.05
Colon Hospital.....	8.64	7.62	7.93
<b>Quarters:</b>			
Ancon.....	2.48	.....	2.48
Balboa.....	3.43	1.42	2.95
Corozal.....	2.40	1.00	2.23
Pedro Miguel.....	11.10	3.50	10.10
Paraiso.....	.58	.....	.58
Gamboa.....	.....	4.33	4.33
Gatun.....	1.85	5.17	7.02
Colon.....	4.27	11.84	16.11

TABLE XII.—FINANCIAL STATEMENT—DEPARTMENT OF HEALTH.

	February, 1915.	January, 1915.	February, 1914.
<b>Administration:</b>			
Chief health office.....	\$479. 44	\$1, 114. 59	\$3, 211. 03
<b>Hospital division:</b>			
Ancon Hospital.....	32, 145. 64	35, 336. 72	43, 049. 06
Corozal farm.....	1, 022. 42	1, 197. 75	973. 77
Chronic ward.....	214. 07	230. 94	207. 35
Colon Hospital.....	2, 920. 18	4, 323. 79	2, 921. 83
Taboga Sanitarium.....			
Palo Seco Leper Asylum.....	1, 906. 95	1, 311. 59	1, 141. 42
Santo Tomas Hospital.....	857. 37	891. 18	1, 384. 17
Medical storehouse.....	912. 02	723. 26	2, 070. 74
Total.....	39, 978. 65	44, 015. 23	51, 748. 34
District dentists.....	15. 72	12. 00	9. 60
<b>Dispensaries:</b>			
Naos Island.....	63. 87	86. 73	266. 64
Balboa.....	1, 099. 83	1, 133. 65	960. 22
Tivoli.....			682. 49
Corozal.....	578. 51	640. 20	776. 72
Pedro Miguel.....	475. 65	477. 05	373. 60
Paraíso.....	583. 51	534. 05	395. 69
Culebra.....	457. 63	457. 91	699. 63
Empire.....			914. 64
Gamboa.....	136. 19	144. 67	
Gatun.....	523. 38	507. 80	1, 864. 18
Cristobal.....			1, 021. 34
Porto Bello.....			323. 37
Margarita Point.....		44. 05	113. 35
Toro Point.....	13. 85	36. 40	91. 66
Total.....	3, 948. 14	4, 074. 51	8, 493. 13
<b>Sanitary division:</b>			
General inspector.....		50. 00	
Health office, Panama.....	2, 613. 55	3, 069. 78	2, 991. 91
Street cleaning.....	4, 171. 71	4, 484. 13	4, 049. 43
Health office, Colon.....	1, 786. 33	1, 921. 41	2, 091. 71
Street cleaning.....	1, 811. 71	1, 888. 96	1, 671. 44
<b>Zone sanitation:</b>			
Ancon.....	1, 907. 96	2, 417. 57	1, 404. 30
Balboa.....	557. 30	1, 116. 66	1, 716. 92
Corozal.....	1, 677. 09	2, 194. 96	1, 015. 42
Pedro Miguel.....	787. 83	984. 13	1, 974. 70
Paraíso.....	1, 001. 18	1, 093. 59	1, 454. 65
Culebra.....	810. 59	706. 83	883. 82
Empire.....			2, 313. 49
Frijoles.....	123. 01	121. 99	62. 92
Gatun.....	819. 84	1, 412. 32	2, 398. 91
Cristobal and Mount Hope.....	886. 29	1, 393. 76	2, 355. 24
Porto Bello.....			244. 25
Total.....	18, 954. 39	22, 856. 09	26, 629. 11
<b>Quarantine division:</b>			
Chief quarantine office.....	117. 26	295. 45	
Balboa-Panama.....	1, 498. 87	1, 739. 56	
Colon-Cristobal.....	2, 263. 61	2, 432. 92	
Total.....	3, 879. 74	4, 467. 93	4, 093. 73

TABLE XII.—FINANCIAL STATEMENT—DEPARTMENT OF HEALTH—  
Continued.

	February, 1915.	January, 1915.	February, 1914.
<i>Recapitulation.</i>			
Chief health office.....	479. 44	1, 114. 59	3, 211. 02
Hospital division.....	39, 978. 65	44, 015. 23	43, 049. 06
Dispensaries.....	3, 948. 14	4, 074. 51	8, 493. 13
Sanitary division.....	18, 954. 39	22, 856. 09	26, 629. 11
Quarantine division.....	3, 879. 74	4, 467. 93	244. 25
Grand total.....	67, 240. 36	75, 528. 35	81, 626. 57
Construction and repair to buildings.....	3, 318. 63	1, 088. 29	16, 733. 42

TABLE XIII.—ANCON HOSPITAL.

## REPORT OF NATIONALITY OF PATIENTS TREATED.

	Total number treated.	American.		Other nations.	
		White.	Black.	White.	Black.
<b>Hospital:</b>					
Class—					
Panama Canal em- ployees.....	660	151	.....	47	462
Panama R. R. em- ployees.....	89	11	.....	10	68
Panama Government pay cases.....	.....	.....	.....	.....	.....
Other pay cases.....	537	321	.....	87	129
Charity cases.....	115	34	.....	7	74
Total.....	1, 401	517	.....	151	733
<b>Insane asylum:</b>					
Panama Canal employees	17	.....	.....	5	12
Panama R. R. employees	3	.....	.....	.....	3
Panama Government pay cases.....	181	.....	.....	15	166
Other pay cases.....	8	6	.....	.....	2
Charity cases.....	62	5	.....	3	54
Total.....	271	11	.....	23	237
Grand total.....	1, 672	528	.....	174	970
Soldiers.....	193	193	.....	.....	.....
Chronics.....	32	.....	.....	.....	32
Corozal Farm.....	50	.....	.....	9	41

TABLE XIII.—ANCON HOSPITAL—Continued.

## REPORT OF DAYS LOST IN HOSPITAL.

	Total.	Americans.	Other white.	Black.
<b>Hospital:</b>				
<b>Class—</b>				
Panama Canal employees.....	7,260	1,182	402	5,676
Panama R. R. employees.....	1,097	82	181	834
Panama Government pay cases.....				
Other pay cases.....	4,609	2,422	936	1,251
Charity cases.....	1,667	452	51	1,164
<b>Total.....</b>	<b>14,633</b>	<b>4,138</b>	<b>1,570</b>	<b>8,925</b>
<b>Insane Asylum:</b>				
Panama Canal employees.....	471		155	316
Panama R. R. employees.....	65			65
Panama Government pay cases.....	5,477		458	5,019
Other pay cases.....	173	111		62
Charity cases.....	1,884	140	93	1,651
<b>Total.....</b>	<b>8,070</b>	<b>251</b>	<b>706</b>	<b>7,113</b>
<b>Grand total.....</b>	<b>22,703</b>	<b>4,389</b>	<b>2,276</b>	<b>16,038</b>
<b>Soldiers.....</b>	<b>1,699</b>	<b>1,699</b>		
<b>Chronics.....</b>	<b>922</b>			<b>922</b>
<b>Corozal Farm.....</b>	<b>1,424</b>		<b>257</b>	<b>1,167</b>

Average cost of subsistence per patient per day, \$0.239.

## WARD LABORATORY REPORT.

Blood examinations (total number) .....	795
Estivo-autumnal .....	83
Mixed .....	1
Quartan .....	1
Tertian .....	16
Differential counts .....	47
Hemoglobin estimations .....	87
Leucocyte counts .....	89
Red blood counts .....	8
Stool examinations (total number) .....	534
Ameba .....	5
Ascaris lumbricoides .....	3
Ciliated monads .....	14
Entameba (hystolytica and tetragena).....	6
Guaiac tests .....	8
Pus and blood .....	66
Strongloides .....	19
Tricocephalus dispar .....	29
Uncinaria (ova) .....	59
Urine examinations (total number).....	1,602
Albumen .....	421
Bile .....	22
Casts .....	266
Ciliated monads .....	1
Epithelia .....	155
Guaiac tests .....	8
Hemin crystals .....	2
Indica .....	41
Pus and blood .....	403
Sugar (positive, 8; negative, 30).....	38
Trichomonas vaginalis .....	1
Sputum examinations (total number) .....	174
Positive for tubercle bacilli .....	17

TABLE XIII.—ANCON HOSPITAL—Continued.

Smear examinations (total number).....	25
Urethral.....	15
Vaginal.....	2
Eye.....	3
Spinal fluid.....	3

## REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Digits, multiple.....	1	
Operations on bones:		
Craniectomy, decompressive.....	1	1
Osteotomy.....	1	
Wiring of fractures—		
Simple.....	1	
Compound.....	4	
Adenectomy:		
Cervical.....	1	
Axillary.....	1	
Inguinal—		
Single.....	6	
Double.....	8	
Herniotomy:		
Inguinal—		
Single.....	6	
Double.....	2	
Ventral.....	1	
Strangulated.....	1	
Genito-urinary tract:		
Urethrotomy—		
Internal.....	3	
External.....	2	
Prostatectomy.....	1	
Hydrocele, single, radical cure.....	1	
Epididymotomy.....	10	
Amputation of the scrotum.....	3	
Curetage uteri.....	3	
Vaginal punctures.....	2	1
Obstetrics, perineorrhaphy.....	1	
Thorax, pneumothoractomy.....	1	1
Rectum:		
Hemorrhoids, radical cure.....	6	
Fistula in ano, radical cure of.....	1	
General:		
Thyroidectomy.....	1	
Varicose veins, excision of.....	2	
Tenorrhaphy.....	1	
Excision of surface neoplasms.....	2	
Laparotomy:		
Exploratory.....	2	1
Gastro-enterostomy.....	2	
Appendectomy.....	20	
Appendectomy with general peritonitis.....	1	
Resection of rectum.....	1	
Cholecystostomy.....	2	
Abscess of liver, laparo-hepatotomy for.....	1	1
Supravaginal hysterectomy.....	5	
Hysteromyomectomy.....	2	
Salpingectomy, single.....	4	
Suspensio-uteri.....	4	
Plastic operation for chronic pelvic peritonitis.....	1	
General peritonitis.....	1	
Major operations, various other.....	2	
Minor operations, various.....	130	
Bunions, bilateral, Mayo.....	4	
Total.....	256	5



TABLE XIII.—ANCON HOSPITAL—Continued.

## REPORT OF OPERATIONS, EYE AND EAR CLINIC.

Adenoidectomy.....	3
Cataract, senile.....	3
Iridectomy.....	1
Plastic operation, eyelid.....	1
Plastic operation, face.....	1
Pterygium.....	4
Submucous resection.....	13
Tonsillectomy.....	10
Minor operations, eye.....	16
Minor operations, throat.....	9
Total.....	61
Total number refractions.....	240

## OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay Cases.	Prescriptions.
Medical clinic.....	382	260	53	330
Surgical clinic.....	302	248	27	83
Eye and ear clinic.....	882	743	33	796
Total.....	1,566	1,251	113	1,209

## REPORT OF VACCINATIONS.

Adults vaccinated.....	277
Takes.....	81
Children vaccinated.....	7
Takes.....	3
Total vaccinations.....	284
Total "takes".....	84

## REPORT OF BOARD OF HEALTH LABORATORY.

Bacteriological examinations of—	
Blood cultures.....	10
Throat cultures.....	34
Urines.....	34
Stools.....	18
Autopsies.....	2
Blood, for malaria.....	4
Pathological fluids, exudates.....	11
Sputum.....	3
Leper suspects.....	2
Wassermann reactions.....	216
Agglutination reactions.....	1
Autogenic vaccines prepared.....	2
Vaccine points manufactured.....	1,378
Chemical analyses of—	
Hospital dairy milk.....	1
Milk from private dairies supplying cities of Panama and Colon.....	52
Mother's milk.....	5
Calculus.....	1
Potassium bitartrate.....	1
"Sal soda".....	1
Marine engine oil.....	1
Gasoline.....	2
Kerosene.....	3
Crude petroleum.....	1
Beer.....	2
Epsom salts.....	1
Urine.....	4

TABLE XIII.—ANCON HOSPITAL—Continued.

Surgical tissues and neoplasms reported.....	21
Autopsies performed (1 medico-legal).....	17
Animals examined and under observation.....	11
Pathological tissues prepared, paraffin.....	218
Pathological tissues prepared, frozen.....	16
<hr/>	
Rats examined:	
Mus musculus.....	389
Mus norvegicus.....	156
Mus alexandrinus.....	17
Mus rattus.....	214
<hr/>	
Immunization of hogs with hog-cholera serum.....	716
Bodies embalmed.....	95
Cremations.....	11
Interments.....	15
<hr/>	
OPERATION OF HOSPITAL FARM, COROZAL.	
Expenditures:	
Supervision and office.....	\$200.00
Labor.....	728.33
Subsistence of labor.....	304.13
Quartermaster Department team service.....	74.85
Ancon Hospital team service.....	36.75
Electric lights.....	3.90
Ice.....	.90
Material and supplies.....	35.31
<hr/>	
	\$1,384.17
Receipts:	
Produce supplied local buyer, commissary branch.....	174.00
(9,028 okras, 556 pounds papayas, 201½ pounds tomatoes, 74 pounds sweet peppers, 14 pounds tomatoes (5 cents pound), 90½ dozen eggs, 4 settings of eggs, 6 bunches of radish.)	
Produce supplied Ancon Hospital—	
1,600 pounds yucca.....	\$32.10
900 pounds yams.....	24.00
66 pounds sweet peppers.....	11.22
34 bunches bananas.....	8.87
300 okras.....	1.38
22 bunches radish.....	.81
124 bunches spinach.....	2.28
30 guinea pigs.....	15.00
Pasturage.....	6.33
<hr/>	
	101.99
Produce sold to private parties—	
36 dozen roses, 50 cents dozen.....	18.00
5 dozen eggs, 60 cents dozen.....	3.00
12 settings of eggs, \$1.50 per setting.....	18.00
5 pigs.....	160.00
3 burial permits, at \$3 each.....	9.00
2 coffins, at \$1.20 each.....	2.40
400 pounds yams, at 2½ cents per pound.....	10.00
6 bunches bananas, 25 cents each.....	1.50
62 loads grass, at \$1 per load.....	62.00
5 heads lettuce.....	.15
½ pound sweet peppers.....	.10
49½ quarts milk, at 20 cents per quart.....	9.90
Pasturage.....	15.23
<hr/>	
	309.28
<hr/>	
Total.....	585.27
<hr/>	
Net expenditures.....	798.90

NOTE.—316½ dozen eggs and 2,204½ quarts of milk were supplied Ancon Hospital (which sold 280 quarts milk) which will be taken into account next month.

TABLE XIII.—ANCON HOSPITAL—Continued.

Number of days treatment furnished.....	1,424
Net cost per patient per day.....	\$0.56103

Work performed: Completed foundation for new chicken house, finished four chicken yards, cleaned pastures, and cultivated vegetable garden and nursery.

STATEMENT OF DEATHS, DISCHARGES, AND COMMITMENTS, ANCON HOSPITAL  
INSANE ASYLUM.

*Commitments.*

	Male.	Female.
From Canal Zone on first commitment.....	2	.....
From Canal Zone on second commitment.....	1	.....
From Canal Zone on fifth commitment.....	1	.....
From Panama Government on first commitment.....	2	4
From Panama Government on second commitment.....	.....	1
Total.....	6	5

Grand total, 11.

*Discharges.*

	Well.		Improved.		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Barbados.....	1	.....	1	.....	1	.....
Panama.....	.....	1	.....	.....	.....	.....
Spain.....	1	.....	.....	.....	.....	.....
United States.....	3	.....	.....	.....	1	.....
Total.....	5	1	1	.....	3	.....

<sup>1</sup> Died.

Grand total, 10.

*Deaths.*

One female. Mental diagnosis, manio-depressive psychosis; physical diagnosis, clinical dysentery, unclassified.

TABLE XIV.—COLON HOSPITAL.

NATIONALITY OF PATIENTS.

	American, white.	Foreign, white.	Black.	Total.
Panama Canal employees.....	17	9	34	60
Panama Railroad employees.....	2	3	34	39
Panama pay.....	.....	1	12	13
Other pay.....	16	17	13	46
Charity cases.....	3	.....	7	10
	38	30	100	168

Cost of subsistence per patient per day, \$0.36.

TABLE XIV.—COLON HOSPITAL—Continued.

## COLON HOSPITAL LABORATORY REPORT.

Blood examinations.....	38
White blood counts.....	2
Stool examinations.....	2
Pus and blood.....	1
Urine examinations.....	92
Albumin.....	22
Casts.....	6
Pus and blood.....	15
Sugar.....	3
Sputum examinations.....	4
Positive for tubercle bacilli.....	1
Pus cells.....	2

## COLON HOSPITAL SURGICAL OPERATIONS.

Amputations: Digits, single.....	4
Herniotomy: Inguinal, single.....	1
Genito-urinary tract: Curetage uteri.....	1
Obstetrical:	
Low forceps.....	2
Version.....	1
Rectum: Hemorrhoids, radical cure.....	1
General: Plastic operation for severe injuries (died, 1).....	1
Laparotomy:	
For intestinal obstruction (died, 1).....	1
Exploratory.....	1
Appendectomy.....	3
Major operations, various.....	1
Minor operations, various.....	23

TABLE XV.—PALO SECO LEPER ASYLUM.

## NATIONALITY OF PATIENTS.

	Number treated.		American.		Other nations.	
	White.	Black.	White.	Black.	White.	Black.
Panama Canal employees.....						
Panama Railroad employees.....						
Pay cases.....	3	30			3	30
Charity cases.....	2	16			2	16
	5	46			5	46

Cost of subsistence, per patient, per day, 24 cents.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing Mar. 1.	Admit- ted.	Dis- charged.	Died.	Remain- ing Mar. 31.
Pay cases.....	27	119	97	4	45
Charity cases.....	413	904	826	78	413
	440	1,023	923	82	458

Average number of patients constantly sick.....	468
Total number of days' treatment.....	14,537
Average number of days' treatment per patient.....	9
Cost of subsistence per patient per day.....	\$0.28

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued.

## NATIONALITY OF PATIENTS.

Class.	Number treated.	Americans.		Other nations.	
		White.	Colored.	White.	Colored.
Pay cases.....	146	3	.....	34	109
Charity cases.....	1,317	11	.....	136	1,170
Total.....	1,463	14	.....	170	1,279

## DISPENSARY REPORT.

Class.	White.	Colored.	Total.
Natives.....	43	689	732
Foreigners.....	68	593	661
Total.....	111	1,282	1,393

## DISEASES TREATED.

Malaria.....	118
Measles.....	42
Influenza.....	11
Dysentery.....	12
Other epidemic diseases.....	7
Purulent infection and septicemia.....	13
Tetanus.....	1
Pellagra.....	3
Beriberi.....	4
Tuberculosis of the lungs.....	42
Syphilis.....	36
Gonococcus infection.....	48
Soft chancre.....	35
Cancer and other malignant tumors of the buccal cavity.....	1
Cancer and other malignant tumors of other organs and organs not specified.....	1
Other tumors (tumors of the female genital organs excepted).....	1
Acute articular rheumatism.....	15
Leuchoremia.....	1
Alcoholism (acute or chronic).....	11
Other chronic poisonings.....	1
Simple meningitis.....	4
Other forms of mental alienation.....	6
Epilepsy.....	3
Other diseases of the nervous system.....	10
Diseases of the eyes and their annexa.....	8
Diseases of the ears.....	2
Acute endocarditis.....	3
Organic diseases of the heart.....	12
Diseases of the arteries, atheroma, aneurysm, etc.....	5
Embolism and thrombosis.....	1
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	3
Diseases of the lymphatic system (lymphangitis, etc.).....	9
Diseases of the larynx.....	1
Chronic bronchitis.....	16
Pneumonia (unqualified).....	22
Pleurisy.....	2
Asthma.....	2
Diseases of the mouth and annexa.....	1

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued.

Diseases of the pharynx .....	6
Diarrhea and enteritis .....	14
Ankylostomiasis .....	13
Appendicitis and typhlitis .....	7
Hernia, intestinal obstructions .....	12
Other diseases of the intestines .....	45
Cirrhosis of the liver .....	1
Biliary calculi .....	1
Other diseases of the liver .....	3
Acute nephritis .....	13
Diseases of the bladder .....	4
Diseases of the urethra, urinary abscess, etc. ....	1
Diseases of the prostate .....	2
Uterine hemorrhage (nonpuerperal) .....	1
Uterine tumor (noncancerous) .....	6
Other diseases of the uterus .....	8
Salpingitis and other diseases of the female genital organs .....	14
Normal labor .....	90
Accidents of pregnancy .....	14
Puerperal septicemia .....	1
Gangrene .....	2
Furuncle .....	3
Acute abscess .....	14
Other diseases of the skin and annexa .....	19
Diseases of the bones (tuberculosis excepted) .....	5
Other diseases of the organs of locomotion .....	3
Congenital malformations (stillbirth not included) .....	3
Newborn child .....	78
Other acute poisonings .....	2
Burns (conflagration excepted) .....	3
Traumatism by firearms .....	9
Traumatism by cutting or piercing instruments .....	6
Starvation .....	3
Fractures (cause not specified) .....	10
Causes of death not specified or ill-defined .....	4
No disease .....	73
Total .....	1,005

## SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Forearm .....	1	1
Foot .....	1	
Digits, multiple .....	4	
Adenectomy:		
Inguinal—		
Single .....	1	
Double .....	1	
Herniotomy:		
Inguinal—		
Single .....	11	
Double .....	3	
Hydrocele, single, radical cure .....	2	
Curettage, uteri .....	3	
Perineoplasty .....	1	
Excision of breast .....	1	
Hemorrhoids, radical cure .....	2	
Excision of surface neoplasm .....	2	
Gunshot wound of soft part .....	1	
Plastic operation for effects of disease .....	15	
Laparotomy for intestinal obstructions .....	1	
Laparotomy, exploratory .....	1	1
Appendectomy .....	6	

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued.

## SURGICAL OPERATIONS—Continued.

	Number.	Died.
Panhysterectomy.....	2	.....
Supravaginal hysterectomy.....	1	.....
Hysterecto-myomectomy.....	4	.....
Salpingectomy:		
Single.....	2	.....
Double.....	6	.....
Salpingo-oophorectomy.....	7	.....
Ovarian cystectomy.....	1	.....
Oophorectomy.....	4	.....
Suspensio uteri.....	7	.....
Major operations (various other).....	6	.....
Minor operations (various).....	25	.....
Cataract extractions:.....	2	.....
Total.....	124	2

TABLE XVII.—SANITATION.

The following is a summary of sanitary work performed and material expended during the month of March, 1915, in the Canal Zone:

Work requests on supply department:	
Grass cutting.....	6
Screening.....	6
Miscellaneous.....	9
Work requests on engineering department.....	6
Work requests on other departments.....	1
Notices served to abate nuisances.....	33
Arrests.....	2
Convictions.....	2
Inspections of closets.....	1,666
Inspections of stores.....	26
Inspections of shops.....	118
Inspections of restaurants.....	3
Garbage cans emptied.....	72,748
Closets disinfected.....	2,761
Rat traps used daily.....	2,850
Adult anopheles destroyed in houses.....	13,247
Adult culices destroyed in houses.....	6,935
Larvacide used..... gallons.....	329
Crude oil used..... do.....	7,865
Kerosene used..... do.....	334
Rats destroyed..... do.....	508

## SUMMARY OF ROUTINE WORK DONE BY THE HEALTH OFFICE, PANAMA.

Mosquito, rat and fly work:	
Linear feet of ditches cleaned and maintained.....	9,550
Linear feet of new ditches dug.....	1,450
Gallons larvacide used.....	746
Gallons crude oil used.....	531
Square yards pools oiled.....	95,496
Water containers treated.....	26,450
Mosquito breeding places found (28 stegomyia).....	191
Fly-breeding places found.....	307
Flies trapped (13,000 per quart)..... quarts.....	19
Rats caught.....	951
Room disinfections.....	18

<b>Garbage collections:</b>	
Loads garbage removed to dump.....	5,042
Cubic yards garbage removed to dump.....	8,965
Total cans garbage emptied.....	107,785
<b>Buildings:</b>	
Buildings inspected.....	5,284
Plans for new buildings approved.....	19
Permits granted for repairs to old buildings.....	60
Total permits granted.....	79
Buildings condemned.....	4
Buildings demolished.....	16
<b>Street cleaning:</b>	
Average square yards cleaned daily.....	600,000
Average square yards street sprinkled daily.....	90,000
Notices served and nuisances abated.....	137
<b>Vaccinations:</b>	
Vaccinations during month.....	17
Total vaccinations since April 1, 1914.....	16,168

# WORK REPORT FOR COLON, CRISTOBAL, AND MOUNT HOPE.

[Health office, Cristobal.]

<b>Sanitation, general—Colon:</b>	
Square yards street cleaned.....	4,200,604
Cubic feet fumigated.....	36,656
Square yards street sprinkled.....	705,000
Square yards alleys maintained.....	729,865
Private properties cleaned.....	28
Rats killed.....	302
Loads of yard garbage handled.....	445
Cans, garbage (2,221 cubic yards).....	67,230
Colon dump maintained.....	
Square yards street oiled.....	3,996
Gallons oil used for street.....	2,100
Linear yards ditches maintained.....	2,073
Parkway and E Street maintained for Panama Railroad.....	
Square yards oiled.....	20,875
Buildings inspected.....	3,920
Receptacles treated.....	26,500
Mosquito breedings places destroyed.....	75
Fly-breeding places destroyed.....	113
Nuisances abated.....	192
Gallons larvacide used.....	164
Gallons crude oil used.....	539
<b>Building, Colon:</b>	
Plans approved.....	2
Permit to occupy issued.....	1
Temporary permits to occupy issued.....	2
Permits to repair issued.....	73
Bills collected.....	64
<b>Sewers, Colon:</b>	
New connections made during month.....	1
Total connections made to date.....	1,172
Houses in which extensions were made.....	7
Outstanding permits.....	41
<b>Sanitation, Cristobal:</b>	
Cans, garbage (688 cubic yards).....	13,362
Loads of yard garbage handled.....	134
Square yards vegetation removed.....	38,720
Square yards vegetation removed, Panama Railroad reservation.....	3,520
Square yards oiled.....	2,850
Receptacles treated.....	5,100
Mosquito-breeding places destroyed.....	14
Fly-breeding places destroyed.....	6
Buildings inspected.....	375
Gallons larvacide used.....	22
Gallons crude oil used.....	6



<b>Sanitation, Mount Hope:</b>	
Cans, garbage (180 cubic yards).....	1,725
Square yards oiled.....	64,950
Receptacles treated.....	16,000
Mosquito-breeding places destroyed.....	58
Mosquitoes caught in barracks—	
Anopheles.....	801
Culices.....	510
Gallons larvacide used.....	62
Gallons crude oil used.....	1,445
Mount Hope Cemetery maintained.....	
Linear yards ditches maintained.....	11,347
Linear yards ditches constructed (open) (194 cubic yards).....	680
Square yards vegetation removed.....	72,806
Burials during the month.....	46

TABLE XVIII.—CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL.

Vessels inspected and passed.....	205	
Vessels held in quarantine.....	8	
Total vessels entered.....		213
Vessels fumigated on arrival.....	7	
Vessels fumigated on departure.....	2	
Total vessels fumigated.....		9
Crew examined.....	12,155	
Passengers examined (including 1,471 United States troops).....	6,014	
Total persons examined.....		18,169
Persons vaccinated at ports of arrival because of compulsory vaccination law.....	569	
Persons vaccinated at ports of departure or en route because of compulsory vaccination law.....	1,410	
Total persons vaccinated.....		1,979
Persons held in quarantine at the detention houses to complete period of incubation of yellow fever and plague.....	379	
Persons held in quarantine on board vessels to complete period of incubation of yellow fever and plague.....	1,085	
Total persons held under observation.....		1,464
Total persons landed from foreign ports:		
Cabin.....	2,258	
Steerage.....	2,132	
		4,390
Total persons embarked for foreign ports:		
Cabin.....	2,070	
Steerage.....	1,666	
		3,736
Total persons arriving from coast towns on small launches and sailing craft.....	1,875	
Total persons sailing for coast towns on small launches and sailing craft.....	2,485	
Apparent decrease for month from coast towns.....	610	
Apparent increase for month from foreign ports:		
Cabin (increase).....	188	
Steerage (increase).....	466	
		654
Immigrants recommended for deportation.....	11	
Bills of health issued or viséed.....	213	
Total number of persons landed.....	6,265	
Less number for Pacific ports.....	191	
	6,074	
Total number of persons sailing.....	6,221	
Total apparent decrease for month.....	147	

## IMMIGRATION REPORT FOR COLON.

'From—	Cabin.	Steerage.
Europe.....	22	962
United States.....	989	32
Jamaica and West Indies.....	431	515
Venezuela.....	4	3
Colombia.....	83	121
Cuba.....	72	24
Guatemala.....		22
Costa Rica.....	97	29
Bocas del Toro.....	84	155
Coast towns.....		187
Total.....	1,782	2,050

Men.....	2,607
Women.....	743
Children.....	295
Unclassified.....	187
Total.....	3,832

## QUARANTINE—BOCAS DEL TORO.

Vessels inspected and passed.....	19
Crew inspected and passed.....	1,288
Passengers inspected and passed.....	260
Passengers, in transit, inspected and passed.....	403
Persons held to complete period of incubation of plague.....	1
Persons held to complete period of incubation of yellow fever.....	2

No quarantinable disease has appeared in this port, and the health conditions of the port and surrounding territory are good.

## TABLE XIX.—STATEMENT OF QUININE ISSUED.

Quinine sulphate.....	Kilos. 20.00
Quinine sulphate tablets.....	4.60
Total.....	24.60
Pounds avoirdupois, 54.12.	

TABLE XX.—PERSONNEL REPORT.

	March, 1915.			Febru- ary, 1915.	March, 1914.
	Officers and em- ployees.	Skilled and un- skilled labor.	Total.		
Chief health office.....	3	.....	3	3	19
Medical storehouse.....	4	4	8	8	8
Quarantine division.....	19	21	40	42	40
Health office:					
Panama.....	22	136	158	143	151
Colon.....	13	102	115	112	120
Ancon Hospital.....	262	118	380	333	526
Colon Hospital.....	25	11	36	33	32
Santo Tomas Hospital.....	6	.....	6	4	5
Palo Seco Leper Asylum.....	9	12	21	21	17
Zone sanitation.....	18	94	112	114	134
Hospital farm.....	3	49	52	44	41
Dispensaries:					
Ancon.....	.....	.....	.....	.....	5
Balboa.....	8	.....	8	5	6
Corozal.....	4	.....	4	4	6
Cristobal.....	.....	.....	.....	.....	6
Culebra.....	.....	.....	.....	2	5
Empire.....	.....	.....	.....	.....	6
Gamboa.....	1	.....	1	1	.....
Gatun.....	4	.....	4	4	7
Margarita Point.....	.....	.....	.....	.....	1
Naos Island.....	1	.....	1	1	2
Paraiso.....	6	.....	6	4	4
Pedro Miguel.....	4	.....	4	3	3
Porto Bello.....	.....	.....	.....	.....	3
Toro Point.....	.....	.....	.....	.....	2
Total.....	412	547	959	881	1,149









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